

Title (en)  
ALPHA-SELECTIVE SIALYL PHOSPHATE DONORS FOR PREPARATION OF SIALOSIDES AND SIALOSIDE ARRAYS FOR INFLUENZA VIRUS DETECTION

Title (de)  
ALPHA-SELEKTIVE SIALYLPHOSPHATDONOREN FÜR DIE ZUBEREITUNG VON SIALOSIDEN UND SIALOSIDANORDNUNGEN FÜR DEN NACHWEIS DES INFLUENZAVIRUS

Title (fr)  
DONNEURS DE SIALYLPHOSPHATE ALPHA-SÉLECTIFS POUR LA PRÉPARATION DE SIALOSIDES ET PUCES À SIALOSIDE POUR LA DÉTECTION DE L'INFLUENZAVIRUS

Publication  
**EP 2411528 B1 20150902 (EN)**

Application  
**EP 10756991 A 20100329**

Priority  
• US 2010029058 W 20100329  
• US 16437509 P 20090327

Abstract (en)  
[origin: WO2010111703A1] A novel N-acetyl-5-N,4-O-carbonyl-protected dibutyl sialyl phosphate donor for sialylation of both primary and sterically hindered secondary acceptors to prepare sialosides with high yield and a-selectivity is disclosed. Methods for making disaccharide building blocks comprising a(2?3), a(2?6), a(2?8), a(2?8)/a(2?9) alternate, and a(2?9) sialosides are provided. methods for one-pot synthesis of complex sialosides are disclosed. Libraries of sialosides and methods for using the libraries for detection and receptor binding analysis of surface glycoproteins or pathogens and cancer cells are disclosed. Methods for distinguishing between hemagglutinin (HA) from various strains of influenza are provided.

IPC 8 full level  
**C07H 13/04** (2006.01); **C07H 1/00** (2006.01)

CPC (source: EP US)  
**A61K 39/095** (2013.01 - EP US); **C07H 1/00** (2013.01 - EP US); **C07H 3/00** (2013.01 - EP US); **C07H 9/06** (2013.01 - EP US); **C07H 11/00** (2013.01 - EP US); **C07H 11/04** (2013.01 - EP US); **C07H 13/04** (2013.01 - EP US)

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2010111703 A1 20100930**; DK 2411528 T3 20151214; EP 2411528 A1 20120201; EP 2411528 A4 20130911; EP 2411528 B1 20150902; ES 2555220 T3 20151229; US 2011046003 A1 20110224; US 8507660 B2 20130813

DOCDB simple family (application)  
**US 2010029058 W 20100329**; DK 10756991 T 20100329; EP 10756991 A 20100329; ES 10756991 T 20100329; US 74911810 A 20100329